

1990

TRAVEL **B**EHAVIOR **I**NVENTORY

Twin Cities Metro Area

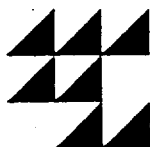
Transit Survey

Data and Methodology

Prepared for:

**Metropolitan Council
Minnesota Department of Transportation
Regional Transit Board
Transportation Advisory Board**

October 1991



METROPOLITAN COUNCIL
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QUESTIONNAIRE

The survey instrument was a self-administered questionnaire handed out to passengers on a representative sample of buses operated on weekdays.

A series of draft questionnaires were developed by the consultant and were discussed by a committee comprising representatives from the Metropolitan Council, the Regional Transit Board, the Metropolitan Transit Commission, Bennett Ringrose Wolsfeld, and Barton-Aschman. Draft questionnaires were also reviewed by Richard H. Pratt Consultant and COMSIS. The final agreed questionnaire is shown in Figure 1.

A brief explanation of each question follows:

1. If you have already completed one of these forms, please check here. This question has no analysis function. Its purpose is to encourage a passenger who has previously received the questionnaire to continue filling out the questionnaire.
2. How did you get to this bus? This question was intended to obtain access mode information and to find out if the boarding passenger transferred from another route or other routes. Transfers affect the survey factoring. The route number or name requested was not intended for coding, but rather to remind the passenger of a transfer if another bus had been used.
3. Where did you get on this bus? The purpose of this question was to help improve the answer to Question 5, which provides the origin address. The object was to make the passenger distinguish between the location of boarding the bus and the actual origin which may have been some distance away. Experience in previous surveys had shown that if this technique was not used, passengers regarded the point they boarded the bus as the origin of their trip.
4. Where did you come from before you got on this bus? This question was designed to obtain the trip purpose at the origin of the trip.
5. Where is that place? This question provides the trip origin and was geocoded during data processing to provide the traffic analysis zone (TAZ) in which the origin address was located. The pilot survey had shown a reluctance on the part of some passengers to give the street address for "home" origins, thus the addition of an option to give the nearest intersection.
6. Where will you get off this bus? This question was not intended for coding. Its purpose was to help improve the answer to Question 8, which provides the address of the destination.
7. Where are you going to now? This question was to find out the trip purpose at the destination of the trip.

8. Where is that place? This question provides the address of the trip destination. The option to provide the nearest street intersection was included because of a reluctance shown in the pretest, to disclosing the home address. The response was geocoded manually to indicate the TAZ in which the destination was located.
9. I will get from this bus to the place that I am going by: This question was designed to provide the mode of departure from the bus on which the survey card was handed out. Bus mode of departure will affect the survey factoring. Factors have to be devised to eliminate double counting of trips in which transfers to another bus takes place. The inclusion of the route number information was simply to make the passenger think the journey through before answering and to help the passenger remember that a transfer might be involved. The route number and the name was not coded but is available on the original cards for investigation in detail if necessary.
10. In total how many buses will you have used to reach your destination? This question gives information on the number of transfers involved in the trip and is intended to provide a cross check on the answers to Questions 2 and 9. The number of buses used provided the information for a factor to avoid double counting of trips using more than one bus.
11. My age is: This declaration obtained the age of the bus rider.
12. My sex is: This question together with Question 11 was intended primarily for the use of the RTB and bus operators in examining patronage trends.
13. How many people live in your household?
14. How many usable cars, vans, or trucks are available to your household?
15. Was your household vehicle available to make this trip today? These three questions were included for modeling purposes, primarily looking beyond the immediate study to possible needs of the 1990 Travel Behavior Inventory.
16. The combined total annual income of all members of my household is: This question was for modeling purposes. The income breakouts used are an estimate of what the 1980 income quota would be in 1988 dollars. Note that the questionnaire income categories "1" and "2", meant to encompass the lowest quota was split into two ranges so that respondents who choose not to report being in the lowest income category would not bias the results.

Note that Questions 2, 4, 7, 9, 10, 11, 12, 13, 14, 15, and 16 are self coding, while Questions 5 (origin) and 8 (destination address) required manual coding and editing.

The question side of the questionnaire is shown in Figure 1. This side folds over onto itself, the other side of the questionnaire is shown in Figure 2. One-half shows the TBI logo, the names of the participating agencies, and contains a letter from the Metropolitan Council requesting the bus riders corporation.

A serial number is shown in the upper right hand corner. This was used to associate a returned questionnaire with the bus on which it was handed out.

The other half of the outside of the questionnaire shows the address to which the questionnaire was to be returned and also shows that no postage was needed to mail back the completed questionnaire.

1 If you have ALREADY COMPLETED ONE of these forms, please
CHECK HERE ☐ AND
CONTINUE FILLING OUT this questionnaire.
Thank you.

2. How did you get to THIS BUS: (Check one only)

1 ☐ Transferring from the _____ bus
(Route Number or Name)

2 ☐ Walking
3 ☐ Driving by myself

4 ☐ Having someone drive me
5 ☐ Other _____
(Specify)

3. WHERE did you get ON THIS BUS?

Corner of _____ and _____
(First Street Name) (Second Street Name)

WHICH IS IN _____ (City)

4. Where did you COME FROM before you got on this bus?
(Check one only)

1 ☐ Home
2 ☐ Work
3 ☐ Shopping
4 ☐ University/College

5 ☐ School
6 ☐ Personal Business
7 ☐ Other

5. WHERE is that place? (Please give address or nearest intersection)

(Number) (Street) (Nearest intersecting street)

(City) (Zip)

6. WHERE will you get OFF THIS BUS?

Corner of _____ and _____
(First Street Name) (Second Street Name)

WHICH IS IN _____ (City)

7. Where are you GOING TO now? (Check one only)

1 ☐ Home
2 ☐ Work
3 ☐ Shopping
4 ☐ University/College

5 ☐ School
6 ☐ Personal Business
7 ☐ Other

8. WHERE is that place? (Please give address or nearest intersection)

(Number) (Street) (Nearest intersecting street)

(City) (Zip)

9. I will get FROM THIS BUS TO THE PLACE THAT I AM GOING By:
(Check ANY that apply)

1 ☐ Transferring to the _____ bus
(Route Number or Name)

and/or by:

2 ☐ Walking
3 ☐ Driving by myself

4 ☐ Having someone drive me
5 ☐ Other _____
(Specify)

10. In total HOW MANY BUSES will you have used to reach your
destination?

(Number of buses)

11. My AGE is: (Check one only)

1 ☐ Under 18
2 ☐ 18 to 24
3 ☐ 25 to 34

4 ☐ 35 to 44
5 ☐ 45 to 54
6 ☐ 55 to 64

7 ☐ 65 or older

12. My SEX is:

1 ☐ Male
2 ☐ Female

13. How many PEOPLE live in your HOUSEHOLD?

(Number)

14. How many usable CARS, VANS or TRUCKS are available to your
Household?

(Number)

15. Was your household vehicle available to make this trip today?

1 ☐ Yes
2 ☐ No

16. The combined TOTAL ANNUAL INCOME of all members of my
household is:

1 ☐ Less than \$7,000 per year
2 ☐ \$7,001 - \$17,000 per year
3 ☐ \$17,001 - \$31,000 per year

4 ☐ \$31,001 - \$47,000 per year
5 ☐ More than \$47,000 per year

Please place in return boxes on bus
or if mailing fold over and seal survey with adhesive tape

FIGURE 1

59766



Twin Cities Metro Area

METROPOLITAN COUNCIL
METROPOLITAN TRANSIT COMMISSION
REGIONAL TRANSIT BOARD
MINNESOTA DEPARTMENT OF TRANSPORTATION

Dear Bus Rider:

- *This survey is being conducted to ensure that your needs are considered when transit improvements are planned.*
- *Please fill out this short survey during this bus ride today.*
- *All information will be kept in strictest confidence.*
- *If you have any questions, or need help, the Survey Person on your bus will help you.*
- *Please place this survey in the Return Box on the bus, or mail it to us. No postage is needed to mail the survey.*

Metropolitan Council

THANK YOU FOR YOUR HELP

OPEN PLEASE

FIGURE 2